5. Troubleshooting

Before attempting repairs: Confirm that the hose is inserted into the main body and that power plug is firmly inserted in the socket.

PROBLEM		CHECK	REMEDY
Motor does not rotate	Main body	• Power cord unplugged • Disconnection of motor winding • Commutator surface broken • Abrasion or bad connection of carbon brush • Abrasion or bad connection of cord-reel terminals • Disconnection of wire • Wire is separated from connector	• Reconnect power cord • Motor replacement • Motor replacement • Motor replacement • Cord-reel replacement or terminal reconnection • Reconnect wire • Connector connection
		• When encountering abnormal use (like continuous operation while the dust bag is full) the protection device operates so as to protect the motor • If the protection device is actuated, the cleaner does not operat	• Exchange the dust-bag & clean the auxiliary filter • Remove any dust or alien substances that might clog the hose, extension tube or inlet port. • After waiting about 20 minutes (with the power plug disconnected), the vacuum cleaner is ready for re-use
	Hose Part	• Circuit • Bad connection or contact of terminal plug • Wire disconnected	• Exchange or repair the hose • Wire reconnection • Hose exchange or circuit exchange
Suction control on handle does not operate.		• Circuit	• Hose exchange or circuit exchange
Power cord does not wind		• Power cord gathered to one side or twisted • Preliminary winding of cord-reel is insufficlent	• Wind again after pulling 1-2m • Re-do the preliminary winding
Power cord rewinds by itself		• Grease on the roller brake • Roller brake abrasions	• Remove any grease (use alcohol).
Suction power is weak		• Dust bag is filled	• Exchange dust bag
		❋ Dust Indicator • Make the inlet port airtight (at maximum power), check if the dust indicator is red. If so, exchange the dust bag. • If the suction power is not restored by replacing the dust bag, confirm that dust or other alien substances are not clogging the hose, extension tube or inlet port.	
		• Dust indicator is separated from the main body • The seal is broken	• Reassemble the dust indicator securely • Reassemble each sealing (rubber gasket)

PROBLEM	CHECK	REMEDY
Rotation of motor is weak	• Defective bearings • Circuit trouble inside the Main Body	• Motor replacement • Replace circuit
Sparks are unusually big	• Commutator surface is rough • Carbon brush abrasions	• Motor replacement • Motor replacement